RK
& Associates, Inc.

November 19, 2016

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report
Sampling Period of September 03, 2016 through October 06, 2016
Behr Site - 1100 Seminary Street – Rockford, Illinois 61104
Site ID No.: 201030AYB

To Whom This May Concern:

Introduction

The Behr Site (Behr) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on September 27, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the approved *Quality Assurance Project Plan (QAPP)* dated July 1, 2015.

Beginning on September 27, 2015, a 24-hour TSP sample is collected every third day, as requested by USEPA. Sampling dates have been set to meet USEPA's schedule for ambient air lead sampling (i.e. every sixth day) as identified in Attachment A. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead and arsenic analyses, in accordance with the methods identified in the QAPP. A summary of individual lead and arsenic measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Behr Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during sample collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

Joseph Behr & Sons Acquired by Alter Trading Corporation

As noted in previous communications with USEPA representatives, on October 7, 2016, Alter Trading Corporation acquired certain assets of Joseph Behr & Sons (which included the Rockford facility). Also, Ron Coupar, the facility's Environmental Manager has retired and Patrick Kohlmeier is the new environmental contact for the facility and will be the primary site contact going forward.

2 South 631 Route 59; B
Warrenville, IL 60555
(630) 393-9000
Fax (630) 393-9111

Performance Audit of Ambient Sampler and Meteorological Station Instruments:

An performance audit of the ambient air monitor and meteorological station instruments was conducted at the Behr Site in Rockford facility by Shell Engineering & Associates, Inc. on October 5th, 2016.

The audit identified that the met station wind direction sensor (installed by a subcontractor retained by the Behr Site for setup of the met station) was not installed correctly and showed that the true wind direction (compass direction from which the wind was blowing) was 161° off. After consultation with the audit contractor, the Behr Site has opted to build in a negative 161° correction into the raw wind direction data obtained from the met station, rather than disassemble and reinstalled the wind direction sensor. The met station data attached to this report included this correction on all data collected since commencement of the monitoring program. A column was inserted into the met station files and a formula was used to subtract 161° from each reported wind direction. These adjusted wind directions are then used to calculate the average wind directions reported in the met station files. A copy of the performance audits has been submitted to USEPA under separate cover.

It should be noted that all wind direction data referenced in periodic ambient monitoring report submitted prior to this report includes this error. This periodic ambient monitoring report as well as, all future reports will reference the corrected wind direction data.

Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on September 3 through October 6, 2016, is presented in Table 1 attached to this correspondence.

This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead and arsenic.

The total mass of lead and arsenic on the filters is divided by the total sample volume (at standard conditions) to identify 24-hour average ambient air concentrations in Columns J and M respectively.

The 3-month rolling average ambient lead concentration is presented in Column L and is based on all valid samples collected during this reporting period for comparison to the NAAQS standard. The values shaded in tan represent data from designated EPA ambient air lead monitoring days (every sixth day in accordance with USEPA's published schedule shown in Appendix A). This represents a change from previous reports that that presented a three month rolling average based only on the USEPA's designated ambient lead sampling days (i.e. every sixth day). The analytical report from RTI International, who is subcontracted for analysis of ambient filters, is presented in Appendix B.

The attached table also reports the daily average wind direction daily average wind speed for each sampling day. The meteorological data for this reporting period is presented in Appendix C, which also includes a facility identifying the location of the ambient air monitor with respect to other site features.

Table 1 show that there were several sampling days in the month of September that with lead results that are significantly above typical values reported. The Behr Site is diligently working to evaluate and identify potential causes of the elevated daily lead levels and will provide USEPA with additional data as available.

Future Sampling:

Finally, based on the agreement with EPA, the facility will continue to conduct the ambient air monitoring for an additional one year, but ambient Arsenic sampling will not be required. This ambient monitoring report will be the last report that includes ambient Arsenic concentration.

The Behr Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,
RK & Associates, Inc.

John G. Pinion
Associate Engineer

cc: Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, Illinois
Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, Mo.

Table 1. Summary of Ambient Air Monitc Through October 6, 2016
The Behr Site - Rockford, Illinois

Wind direction data includes adjustment from Oct. 2016 Met Sta Performance Audit

Col -> A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
USEPA's 6th Day Lead Sample Day (Y)	Day of Week	Sample Collection Date	Sample Duration (days) (hrs)	Avg. Temp °C	Avg. Bar. Pres. mmHg	Sample Rate / Volume (std)		Sampler Data Flags	Lead[a] ug/filter	Ambient Lead Concentration		Arsenic[a] ug/filter	Ambient Arsenic Concentration		Behr Facility Met Data	
						Average Rate ft³/min	Total m³			Daily Average ug/m³	3-Month Rolling Average[c] ug/m³		Daily ug/m³	Monthly[b] Average ug/m³	Daily Avg Wind Direction Degree	Daily Avg Wind Speed mph
	Sat	07/02/16	24:00	22.60	743.00	42.80	1,745.22		36.50	0.021		13.00	0.007		152°	0.65
Y	Tue	07/05/16	23:59	27.50	738.00	41.90	1,707.65	POWER	247.00	0.145		2.22 *	0.001		166°	0.63
	Fri	07/08/16	24:00	25.80	738.00	42.10	1,718.55		116.00	0.067		1.13 *	0.001		286°	2.22
Y	Mon	07/11/16	24:00	29.20	738.00	41.90	1,707.99		101.00	0.059		1.21 *	0.001		143°	3.90
	Thu	07/14/16	24:00	25.90	738.00	42.10	1,715.92		66.50	0.039		0.87 *	0.001		276°	2.09
Y	Sun	07/17/16	24:00	27.10	741.00	42.10	1,716.88		68.20	0.020 g		1.99 *	0.001	0.002	134°	1.90
	Wed	07/20/16	24:00	28.00	743.00	42.20	1,719.31		142.00	0.083		1.61 *	0.001		141°	2.06
Y	Sat	07/23/16	24:00	27.40	739.00	41.90	1,710.39			0.020 g					141°	0.87
	Tue	07/26/16	24:00	29.00	742.00	42.00	1,711.84		63.20	0.037		1.81 *	0.001		291°	0.51
Y	Fri	07/29/16	23:59	24.30	739.00	42.30	1,722.77	POWER	97.30	0.056		12.30	0.007		39°	0.56
	Mon	08/01/16	24:00	27.90	742.00	42.10	1,718.04		343.54	0.200		10.53	0.006		130°	2.52
Y	Thu	08/04/16	0:30	27.70	742.00	42.50	**36.13**			h					143°	2.25
	Sun	08/07/16	24:00	26.70	742.00	42.30	1,723.39		64.09	0.037		2.81	0.002		282°	0.33
Y	Wed	08/10/16	24:00	29.90	742.00	42.00	1,712.57		186.37	0.109		4.99	0.003		151°	1.31
	Sat	08/13/16	24:00	27.00	738.00	42.00	1,713.20		58.42	0.034		2.32 *	0.001		300°	1.48
Y	Tue	08/16/16	24:00	28.70	742.00	42.10	1,715.55		70.07	0.041	0.161	2.66	0.002	0.002	296°	0.73
	Fri	08/19/16	24:00	26.90	736.00	41.90	1,706.63		480.52	0.282		8.15	0.005		139°	2.23
Y	Mon	08/22/16	24:00	24.00	745.00	42.60	1,737.72		189.15	0.109		2.78	0.002		143°	1.77
	Thu	08/25/16	24:00	25.90	742.00	42.30	1,725.35		32.88	0.019		2.82	0.002		295°	0.86
Y	Sun	08/28/16	24:00	28.10	745.00	42.30	1,725.54		43.14	0.025		2.44	0.001		132°	1.63
	Wed	08/31/16	24:00	24.20	744.00	42.70	1,740.61		155.37	0.089		2.15 *	0.001		345°	0.69
Y	Sat	09/03/16	24:00	23.60	745.00	42.70	1,740.33		67.16	0.039		4.36	0.003		133°	2.31
	Tue	09/06/16	24:00	30.20	741.00	41.80	1,706.40		144.06	0.084		1.65	0.001		134°	2.56
Y	Fri	09/09/16	24:00	25.70	738.00	42.00	1,712.69		263.10	0.154		4.58	0.003		144°	1.30
	Mon	09/12/16	24:00	24.10	742.00	42.40	1,730.02		214.73	0.124		2.35	0.001		142°	2.82
Y	Thu	09/15/16	24:00	24.30	743.00	42.60	1,737.83		1,687.87	0.971		9.54	0.005		128°	3.34
	Sun	09/18/16	24:00	24.60	740.00	42.50	1,732.37		64.15	0.037	0.148	2.36	0.001	0.002	158°	0.51
Y	Wed	09/21/16	24:00	23.50	743.00	42.50	1,733.30		801.09	0.462		6.46	0.004		131°	2.39
	Sat	09/24/16	24:00	22.60	743.00	43.00	1,752.78		1,382.40	0.789		4.13	0.002		132°	3.13
Y	Tue	09/27/16	24:00	17.10	735.00	42.80	1,743.27		104.36	0.060		1.18	0.001		287°	2.78
	Fri	09/30/16	24:00	19.20	743.00	43.00	1,752.22		390.44	0.223		5.38	0.003		355°	0.99
Y	Mon	10/03/16	24:00	21.10	742.00	42.70	1,742.59		1,796.45	1.031		8.78	0.005		134°	0.92
	Thu	10/06/16	24:00	23.00	740.00	42.60	1,737.61		140.99	0.081		9.45	0.005		139°	1.86

Period Covered by this Report

a. Lab analysis by RTI International in Research Triangle Park, NC.

c. Arithmetic average of all sampling events during the previous three calendar months.

g. Filter used on July 17 was inadertently also used on July,23. The lab result for July 17, included mass collected on the filter from both July 17, and July 23. No filter sample was sent to lab for July 23rd since the ambient air sampler operated normally for the above two days, an average ambient air concentration associated with the filter was calculated using the report pollutant mass and the combined sample volume, such that the reported ambient air concentrations for July 17 and 23 are identical.

h. The facility personnel attempted a calibration of the ambient air sampler but did not complete, because of this incident, the sampling duration on August 04, 2016 was only 30 minutes, and not filter was sent to lab for analysis

* Reported arsenic value is below the RL of 2.40 µg/filter, but over the MDL of 0.48 µg/filter.

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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB

Report Date: November 11, 2016

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2016

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EPA Sampling Schedule 2016

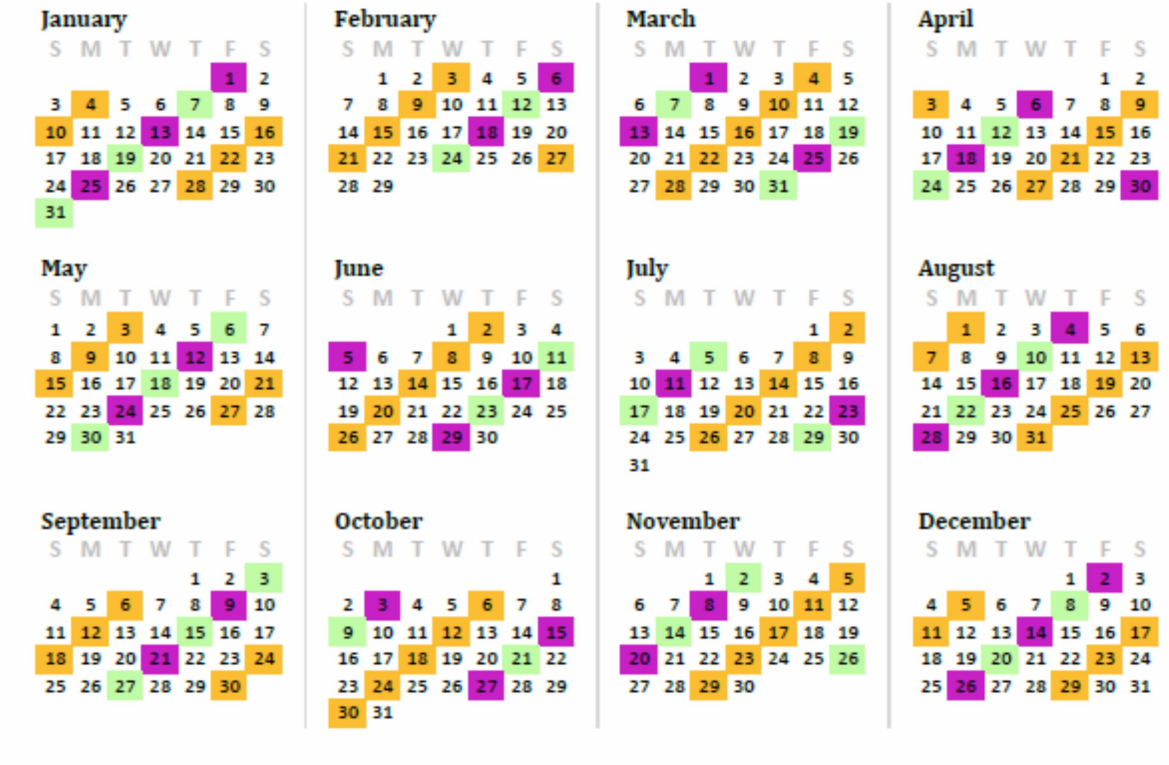
Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple



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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB

Report Date: November 11, 2016

APPENDIX B

RTI International Analytical Results

September 01, 2016 through October 06, 2016

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RTI INTERNATIONAL
3040 Cornwallis Road ▪ PO Box 12194 ▪ Research Triangle Park, NC 27709-2194 ▪ USA
Telephone 919 541-6000 ▪ Fax 919 541-5985 ▪ www.rti.org

October 23, 2016

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results
µg/Filter

Filter ID	Date Collected	Arsenic	Lead
9329384	9/6/2016	*1.65*	144
9329383	9/9/2016	4.58	263
9329382	9/12/2016	*2.35*	215
9329381	9/15/2016	9.54	1688
9329380	9/18/2016	*2.36*	64.1
3929379	9/21/2016	6.46	801
9329378	9/24/2016	4.13	1382
9329377	9/27/2016	*1.18*	104
9329376	9/30/2016	5.38	390
9329375	10/3/2016	8.78	1796
9329374	10/6/2016	9.45	141

Results shown in italics are below the reporting limit and are shown for informational purposes only. Please refer to the attached spreadsheets "Behr Set 10 Data" and "2016 Pb TSP Audit Filters" for quality control information. The remaining filter sections will be held for 6 months. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

Frank Weber
Laboratory Manager

cc: Project file 0212431.002.053
Lisa Bailey, RTI/ORC

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0212431.002.053 Set 10

Calibration Standards

	Arsenic µg/L	% Recovery	Lead µg/L	% Recovery
Calibration Blank	0.000	n/a	0.000	n/a
5	4.55	91	4.53	91
25	25.2	101	24.3	97
50	49.9	100	49.0	98
100	94.8	95	96.3	96
500	506	101	500	100
1000	997	100	1000	100

Initial and Continuing Calibration Verifications

	Arsenic µg/L	% Recovery	Lead µg/L	% Recovery
ICV	200	100	208	104
CCV1	203	101	210	105
CCV2	214	107	202	101
CCV3	217	108	197	98
CCV4	217	108	203	102

Initial and Continuing Calibration Blanks

	Arsenic µg/L		Lead µg/L		
ICB	0.029	<RL	-0.005	<RL	RL=5µg/L
CCB1	3.22	<RL	3.42	<RL	
CCB2	0.167	<RL	3.78	<RL	
CCB3	-0.031	<RL	-0.004	<RL	
CCB4	-0.025	<RL	-0.005	<RL	

Lower Level Calibration Verifications

	Arsenic µg/L	% Recovery	Lead µg/L	% Recovery
LLCV1	12.0	100	11.5	96
LLCV2	12.6	105	11.3	94

Reagent Blanks/Reagent Blank Spikes

	Arsenic µg/L	% Recovery	Lead µg/L	% Recovery
RB	-0.005	<RL	-0.014	<RL
RBS	251	100	255	102

Certified Reference Material

	Arsenic µg/L	Arsenic mg/kg	% Recovery	Lead µg/L	Lead mg/kg	% Recovery	weight (g)
CRM	243	96	91	2867	1129	97	0.1016
Filter Blannk	0.074			0.965			

	NIST 2711 Montana Soil	
	Arsenic	Lead
Certified Value (mg/kg)	105	1162

Matrix Duplicates

	Arsenic µg/filter	RPD	Lead µg/filter	RPD
9329377	1.18		104	
9329377 Dup	1.26	7	113	8

Matrix Spikes

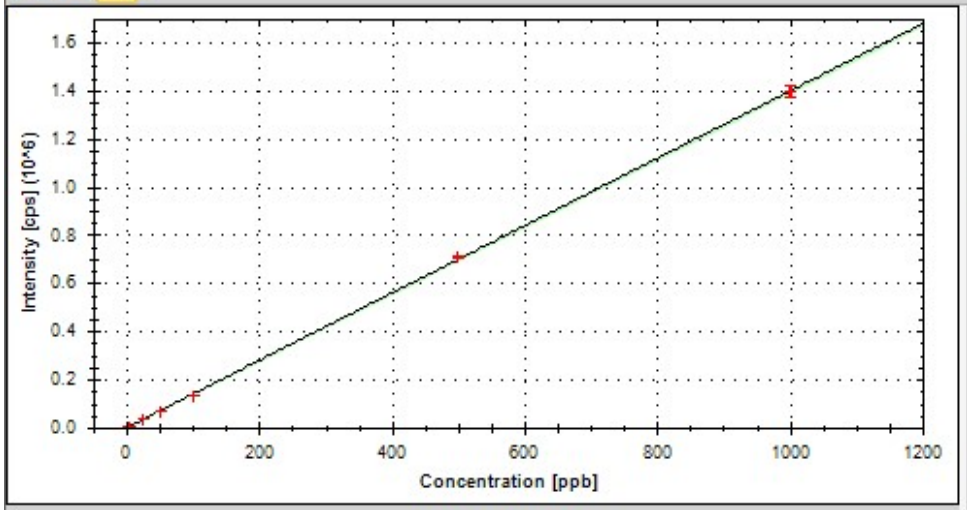
	Arsenic µg/filter	% Recovery	Lead µg/filter	% Recovery
9329377	1.18		104	
9329377 Spike	129	106	222	98

Serial Dilutions

	Arsenic µg/filter	% Difference	Lead µg/filter	% Difference
9329383	4.58		263	
9329383 SD 1:5	5.09	10	275	4

Details

75As (KED) - IS:115In (KED)



Calibration Properties

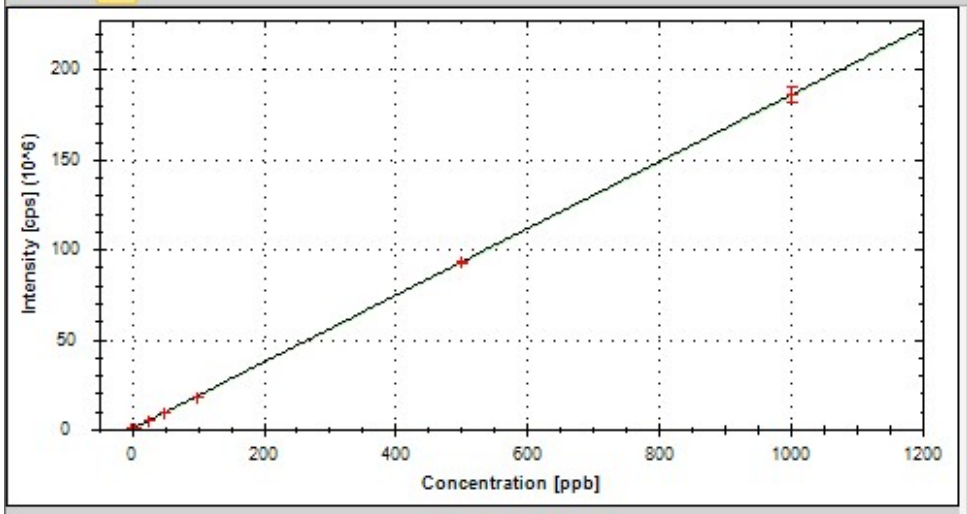
Fit Type	Linear
Weighting	None
Forcing	Blank
Use for SemiQuant	Yes

$f(x) = b^*x + a$

Parameter	Value	Confidence Delta at 90	StdErr	Rel. StdErr [%]
b	1,397.423	+/-6.240	4.334	0.310
a	147.978	+/-0.000	0.000	0.000
R^2	0.999915			
BEC	0.106 ppb			
IDL(LOD)	0.020 ppb			

Details

208Pb (KED) - IS:165Ho (KED)



Calibration Properties

Fit Type	Linear
Weighting	None
Forcing	Blank
Use for SemiQuant	Yes

f(x) = b*x + a

Parameter	Value	Confidence Delta at 90	StdErr	Rel. StdErr [%]
b	185,763.751	+/-387.922	269.428	0.145
a	4,567.373	+/-0.000	0.000	0.000
R^2	0.999982			
BEC	0.025 ppb			
IDL(LOD)	0.003 ppb			

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Ambient Air Lead Monitoring Report
Behr Site

1100 SEMINARY STREET
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SITE ID NO.: 201030AYB

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APPENDIX C

Meteorological Station Data – Hourly Averages

September 01, 2016 through October 06, 2016

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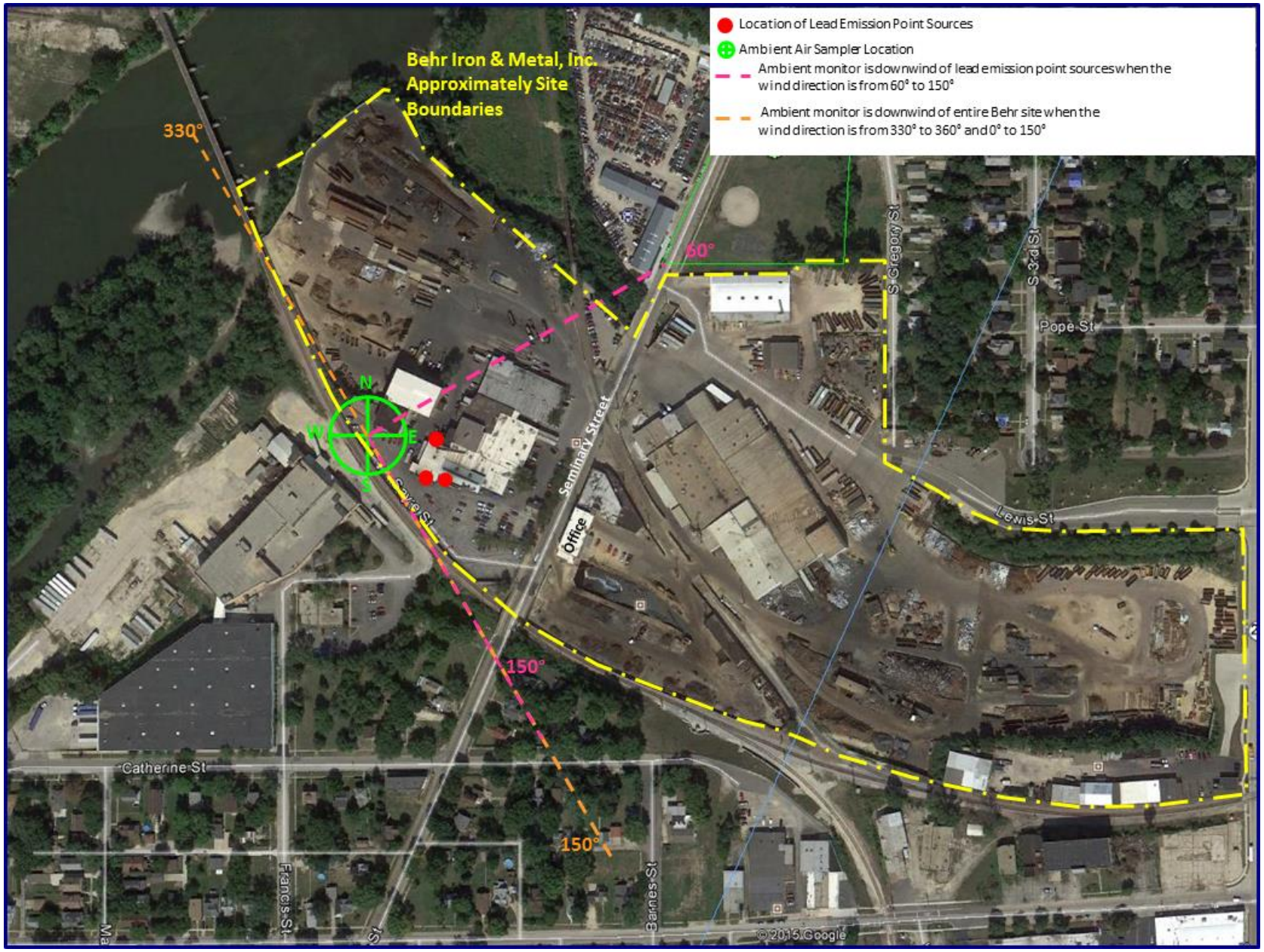

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Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
09/03/16	1	768	63.0	3.32	132°		
	2	768	62.4	2.63	131°		
	3	768	62.0	0.95	136°		
	4	768	61.2	0.62	143°		
	5	768	60.7	0.87	137°		
	6	768	59.0	0.56	264°		
	7	768	58.4	0.17	276°		
	8	768	60.5	0.83	150°		
	9	768	65.9	2.41	129°		
	10	768	69.4	2.69	132°		
	11	768	71.6	2.68	135°		
	12	768	74.0	2.55	135°	133°	2.31
	13	768	75.5	3.60	134°		
	14	767	77.1	3.42	137°		
	15	767	77.7	4.01	131°		
	16	766	78.5	3.81	132°		
	17	766	78.5	3.46	131°		
	18	766	78.0	3.13	138°		
	19	766	76.9	2.08	145°		
	20	766	74.0	1.37	140°		
	21	766	71.3	2.26	128°		
	22	766	68.1	4.23	124°		
	23	766	66.0	3.24	122°		
	24	766	65.1	2.13	128°		
09/06/16	1	764	75.1	0.98	144°		
	2	764	74.3	1.12	144°		
	3	763	73.6	1.20	150°		
	4	763	72.9	1.55	148°		
	5	763	72.7	1.75	145°		
	6	763	72.8	1.83	146°		
	7	763	73.5	2.67	148°		
	8	763	74.9	2.30	135°		
	9	763	78.9	3.29	131°		
	10	763	82.9	3.75	124°		
	11	763	85.3	2.60	129°		
	12	763	87.6	0.35	125°	134°	2.56
	13	763	89.3	0.86	139°		
	14	763	90.2	3.51	138°		
	15	762	91.5	5.04	142°		
	16	762	92.2	3.60	118°		
	17	762	90.8	5.17	121°		
	18	761	90.4	4.73	124°		
	19	761	89.2	3.32	123°		
	20	761	86.6	3.36	129°		
	21	762	84.0	2.76	145°		
	22	762	81.8	2.56	141°		
	23	763	80.7	2.11	144°		
	24	762	79.2	2.13	148°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
09/09/16	1	761	66.7	0.48	280°	144°	1.30
	2	761	65.9	0.09	273°		
	3	761	65.2	0.19	252°		
	4	761	64.8	0.23	268°		
	5	761	64.2	0.22	203°		
	6	761	64.3	0.14	190°		
	7	761	64.6	0.68	155°		
	8	761	66.6	2.02	140°		
	9	761	69.4	2.37	136°		
	10	760	71.5	2.95	140°		
	11	761	74.3	0.95	144°		
	12	761	74.6	0.52	263°		
	13	761	74.8	1.71	143°		
	14	761	78.0	0.95	155°		
	15	760	80.8	1.86	145°		
	16	760	83.0	2.27	143°		
	17	759	84.0	1.38	277°		
	18	759	82.2	2.69	141°		
	19	759	79.5	3.89	133°		
	20	759	73.5	3.90	135°		
	21	760	72.2	1.85	138°		
	22	760	71.2	0.51	144°		
	23	760	71.1	2.01	137°		
	24	758	69.9	2.37	142°		
09/12/16	1	765	62.0	1.41	142°	142°	2.82
	2	765	61.1	1.40	140°		
	3	765	60.1	1.40	140°		
	4	765	59.2	1.40	140°		
	5	765	58.3	1.09	143°		
	6	765	57.7	0.91	134°		
	7	765	57.7	1.20	130°		
	8	765	59.3	1.50	142°		
	9	765	64.0	2.85	143°		
	10	765	68.4	4.00	141°		
	11	765	72.6	3.73	135°		
	12	764	75.5	4.71	141°		
	13	764	77.3	4.57	139°		
	14	763	78.6	4.93	139°		
	15	763	79.7	4.57	140°		
	16	762	80.2	5.07	147°		
	17	762	80.1	5.24	142°		
	18	762	79.2	4.76	143°		
	19	762	77.3	2.94	142°		
	20	762	74.5	1.83	148°		
	21	762	72.7	2.21	143°		
	22	763	71.0	2.05	151°		
	23	762	70.0	2.74	145°		
	24	763	68.0	1.37	141°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
09/15/16	1	768	64.0	2.05	130°	128°	3.34
	2	768	63.3	2.61	130°		
	3	768	62.1	1.60	133°		
	4	768	61.5	1.09	134°		
	5	768	61.3	0.49	140°		
	6	768	61.7	0.51	143°		
	7	768	62.3	2.10	123°		
	8	768	62.9	0.91	126°		
	9	768	65.9	2.75	128°		
	10	768	68.0	4.10	123°		
	11	768	71.6	4.32	128°		
	12	768	74.9	4.82	128°		
	13	767	77.0	5.01	130°		
	14	767	78.6	4.57	132°		
	15	766	79.8	4.69	128°		
	16	765	80.3	4.72	128°		
	17	765	80.3	4.83	131°		
	18	765	79.5	4.83	129°		
	19	764	77.9	4.29	128°		
	20	764	75.2	3.55	123°		
	21	765	71.6	4.72	127°		
	22	765	69.4	4.43	120°		
	23	764	68.4	3.54	123°		
	24	764	67.8	3.91	131°		
09/18/16	1	761	62.5	0.37	245°	158°	0.51
	2	761	61.0	0.49	281°		
	3	762	60.2	0.58	271°		
	4	761	59.4	0.39	265°		
	5	762	58.8	0.13	167°		
	6	762	58.2	0.42	149°		
	7	762	57.6	0.25	154°		
	8	762	58.3	0.16	136°		
	9	762	65.8	0.37	271°		
	10	763	70.2	0.44	253°		
	11	763	71.7	0.92	156°		
	12	762	74.5	0.61	151°		
	13	762	77.4	0.42	223°		
	14	762	78.9	1.63	136°		
	15	761	81.5	0.77	157°		
	16	761	82.2	1.82	141°		
	17	761	82.6	1.92	132°		
	18	761	82.0	1.74	128°		
	19	761	79.5	1.76	138°		
	20	761	73.8	0.24	219°		
	21	761	69.7	0.75	257°		
	22	762	68.8	0.42	169°		
	23	762	68.1	0.46	139°		
	24	762	66.6	0.66	147°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
09/21/16	1	765	69.2	3.57	134°	131°	2.39
	2	764	68.7	2.22	133°		
	3	764	69.5	2.85	137°		
	4	764	69.1	2.23	139°		
	5	765	69.4	1.77	140°		
	6	765	70.0	0.11	47°		
	7	766	67.5	0.78	90°		
	8	766	66.4	1.68	120°		
	9	767	67.1	2.66	130°		
	10	767	67.4	2.20	125°		
	11	768	67.2	0.57	99°		
	12	768	66.7	3.29	126°		
	13	767	67.1	3.03	121°		
	14	767	67.3	3.74	124°		
	15	766	72.0	5.00	135°		
	16	765	76.5	3.96	143°		
	17	765	77.0	3.86	146°		
	18	765	76.6	1.15	143°		
	19	765	74.5	0.21	141°		
	20	764	72.1	3.07	127°		
	21	764	71.1	3.37	121°		
	22	765	70.8	2.31	132°		
	23	764	70.3	2.71	135°		
	24	765	69.9	1.83	136°		
09/24/16	1	766	66.5	1.31	140°	132°	3.13
	2	766	67.0	2.46	135°		
	3	766	66.5	2.42	136°		
	4	766	66.1	2.38	130°		
	5	766	66.2	2.08	131°		
	6	766	66.1	2.63	134°		
	7	766	65.7	2.68	132°		
	8	767	65.7	2.50	131°		
	9	767	66.2	3.19	135°		
	10	767	67.2	3.90	136°		
	11	767	68.5	3.66	131°		
	12	767	70.1	4.03	133°		
	13	767	71.7	3.92	131°		
	14	766	73.5	3.34	127°		
	15	766	73.5	3.06	132°		
	16	766	73.4	2.86	134°		
	17	765	73.8	4.50	132°		
	18	765	74.0	4.70	127°		
	19	765	72.6	3.94	129°		
	20	765	70.8	2.66	132°		
	21	765	68.5	3.83	135°		
	22	765	66.7	2.93	134°		
	23	765	66.0	2.89	137°		
	24	765	66.1	3.37	127°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
09/27/16	1	760	55.7	0.45	314°	287°	2.78
	2	759	55.0	1.26	303°		
	3	759	54.4	2.43	281°		
	4	759	53.3	2.80	285°		
	5	759	51.7	2.09	290°		
	6	759	50.8	1.37	294°		
	7	758	50.1	1.23	115°		
	8	758	50.0	0.95	305°		
	9	758	54.7	2.21	282°		
	10	758	59.1	4.64	280°		
	11	758	61.8	5.66	278°		
	12	757	63.9	6.20	281°		
	13	757	65.6	6.10	280°		
	14	756	67.3	6.14	287°		
	15	756	68.3	6.08	281°		
	16	756	69.0	5.24	288°		
	17	756	68.3	4.52	283°		
	18	756	67.1	4.26	284°		
	19	756	65.3	2.48	284°		
	20	756	63.2	1.67	284°		
	21	757	61.0	1.19	314°		
	22	757	56.9	0.87	358°		
	23	757	55.4	1.07	2°		
	24	757	54.5	0.79	358°		
09/30/16	1	768	61.7	0.73	341°	355°	0.99
	2	768	60.7	0.82	326°		
	3	767	60.6	1.13	345°		
	4	767	60.7	1.01	336°		
	5	767	60.3	1.24	351°		
	6	767	59.6	1.26	331°		
	7	767	59.7	1.02	357°		
	8	767	60.7	1.26	348°		
	9	767	60.2	0.98	2°		
	10	767	60.3	1.02	348°		
	11	767	62.9	1.18	356°		
	12	767	65.2	1.26	15°		
	13	766	66.7	1.12	81°		
	14	766	67.8	1.40	14°		
	15	765	67.4	1.53	10°		
	16	765	65.7	1.26	4°		
	17	765	64.3	1.07	345°		
	18	765	63.4	1.18	6°		
	19	765	62.1	0.95	349°		
	20	765	60.8	0.89	343°		
	21	765	60.2	0.95	349°		
	22	765	60.1	0.80	344°		
	23	764	60.4	0.87	335°		
	24	764	60.3	0.55	339°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - September 01 thru October 06, 2016
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph)
10/03/16	1	765	60.1	0.33	267°	134°	0.92
	2	765	60.0	0.14	340°		
	3	765	59.9	0.29	341°		
	4	765	59.3	0.56	331°		
	5	765	58.1	0.26	331°		
	6	765	56.4	0.42	340°		
	7	765	55.1	0.33	335°		
	8	765	54.0	0.49	321°		
	9	765	58.4	0.33	340°		
	10	765	65.8	0.32	318°		
	11	765	68.3	0.37	133°		
	12	765	69.2	2.89	139°		
	13	765	71.3	1.83	136°		
	14	764	71.1	1.34	146°		
	15	764	70.2	1.40	131°		
	16	764	69.7	2.28	141°		
	17	763	69.2	1.56	133°		
	18	763	68.1	0.79	138°		
	19	763	66.9	1.06	142°		
	20	763	65.8	1.67	138°		
	21	763	65.2	2.61	130°		
	22	763	64.2	2.92	135°		
	23	763	63.2	2.97	132°		
	24	763	61.4	1.58	129°		
10/06/16	1	764	57.8	0.28	277°	139°	1.86
	2	764	57.2	0.27	265°		
	3	764	57.9	0.43	268°		
	4	764	60.0	0.49	150°		
	5	763	63.3	1.64	126°		
	6	763	63.3	0.79	138°		
	7	763	63.3	1.53	132°		
	8	764	62.6	2.03	132°		
	9	764	63.2	2.43	137°		
	10	764	64.5	2.52	140°		
	11	764	66.0	2.67	137°		
	12	764	67.2	2.77	139°		
	13	764	68.9	2.94	148°		
	14	764	70.2	3.49	151°		
	15	764	70.5	2.71	147°		
	16	763	71.5	2.88	141°		
	17	763	72.1	2.40	133°		
	18	762	71.9	2.46	130°		
	19	762	71.2	2.69	131°		
	20	762	69.9	2.13	135°		
	21	762	68.8	0.81	137°		
	22	762	68.9	1.88	135°		
	23	762	68.7	2.03	137°		
	24	761	69.0	2.26	139°		